

The information management
system that delivers
power with simplicity.



INSOFT, INC.

Data Design™

Data Design keeps it simple.

WHO?
WHAT? WHEN?
WHERE? WHY?
HOW? AND
HOW MUCH?

Sometimes, getting some simple answers to some simple questions isn't as easy as it seems.

Some database management systems require you to memorize series of complex commands. Others make you constantly shift from disk to disk. Some even expect you to learn a foreign language and the fine art of computer programming before you're able to get what you want:

Information. Timely and accurate. Here and now.

Data Design is different. It's a full-feature modified relational database management system written specifically for the IBM Personal Computer. As such, it speaks a language you're already familiar with, and takes full advantage of the special function and editing keys — so you spend your time processing data instead of pondering manuals.

Data Design is completely menu driven, so using it is straightforward, simple as can be. Press just one key and a helpful tutorial addresses whatever you're working on *at that very moment!*

We even include a demonstration program covering all the basic applications, and a data diskette with *five complete database programs* — Mailing List, Electronic Mail Memo, Calendar, Mortgage and Depreciation — all ready to roll.

How's that for making life simple?

Flexibility is part of the program.

Data Design allows you to enter, calculate, manipulate, store and recall data with few constraints.

Client records • Personnel listings • Expense reports •
Sales leads • Legal documents • Loan amortization •
Depreciation schedules • Phone & address lists •
Inventory control • Payroll records • Estimates • Mailing

Help Information Screen

HELP
You have activated the MAKE A TABLE command. This command is used to create a new table. A new table is created by entering one or more table headings called labels, then defining the type of data to be stored under each label (T-text and N-number). You must also give the width (in columns) of each table entry. The table defines what you can store in the computer. If you want to enter a person's name and address, as shown below,

Name : _____
Street : _____
City : _____ Zip : _____

then create a table containing one entry each for Name, Street, City, and Zipcode. This table might look like the following :

Table	Labels	Type of Data	Width of data	Comment
1.	Customer	t (text)	24	Name of client
2.	Street	t	38	Address
3.	Cityname	t	28	City
4.	Zipcode	n (number)	5	Mailing code

Strike any key to continue what you were doing : _

"Make A Form"

HELP
You have activated the CREATE FORM command. This command is for building a screen or printer form. Such forms are used as windows into a table, so you can 'see' your data. They also serve to format your input and output in any way you choose.

Each form contains whatever you type into it plus the following optional information :

- LABELS** : Table headings taken from a table. These are names of the 'fields' to be filled-into a form
@ : When the at-sign is used in front of a label, it means you want to use the values stored in the table to access (retrieve) whole forms full of data. For example, @Name is a key field.
! : When the exclamation point is used in front of a label, it means you want to calculate the value rather than enter it. For example, !PAY-RATE*HOURS
.INCLUDE : When this appears in column 1 of a form it means you want to include a text form (letter) in your form during printing.

Also, you will be allowed to use the arrow keys to navigate around the screen while entering your form. For more help, press F1, later.

Strike any key to continue what you were doing : █

Create forms to meet your individual needs. Then let Data Design store, retrieve and calculate automatically. Browse through your data in any order — without waiting for a sort. Enter and print information *fast*, in precisely the format you need.

Statements. Invoices. Client updates. Sales forecasts and analyses — by employee, by region, by volume — by week, month or quarter.

Whatever your particular information management need, with Data Design, you name it and you've got it.

Get ready for a powerful performance.

Created by a team of seasoned microcomputer professionals, Data Design combines state-of-the-art programming techniques and a true understanding of end user needs to deliver an impressive array of powerful features:

- Command choices presented in menus
- Multiple, user-defined tables (size, type, contents)
- Interactive help manuals built into the software

does it all.

lists • Contracts • Patient records • Stock market analyses • Appointments • Medical and dental records • Sports statistics • Personal and household records • and all your other information management needs •

Import/ Export

You are in the IMPORT/EXPORT program. If you do not wish to do importing or exporting, press the F6 key to return to the main menu.

This import/export system allows you to read data into your Data Design databases from files that have been created by other programs. Conversely, it also allows you to write data from your Data Design databases to data files that may be read by other programs. The data file that is imported into your Data Design database (or exported from it) may be in any of three formats.

- 1) Fixed format files are sequential files and have the data elements (fields) in fixed column positions. A group of fields that correspond to one row in your database may be located on 1 to 49 records in the data file.
- 2) The second type of data file has its data fields separated by commas. So, a row in your database corresponds to one record in the data file and the fields are separated by commas.
- 3) The third type of data file is DIF format used by "CALC" programs.

Select F1 to Import a file or F2 to Export data to a file.
Select F3 to convert a data file. The conversion will remove "high bits", control characters, and lines beginning with 7F or FF characters and may be used to convert WordStar document files to standard ascii files.

Press any key to continue

- Multiple formats for user-defined input/output forms
- Interactive browse and modify capability
- Information retrieval in ascending and descending order
- Derived data fields from user-defined formulas
- Arithmetic expression evaluation
- Sorts not required
- Automatic ordering on single or multiple key fields
- User-defined printer formatting
- Read and write security passwords
- Telephone communication between databases
- Data transfer to and from other programs
- Reliable backup, copy and recovery capability
- Statistical calculations like sum, average, max, min, count
- Compound search conditions on printed reports
- Batch posting and updating on a single file

It even talks with other programs and computers.

Few people — or computers, for that matter — can achieve peak performance while working in a vacuum.

That's why we've incorporated two powerful subsystems within the basic Data Design package to let you send and receive *all* the information you need to get the answers you want:

Import/Export — lets you transfer data to/from your Data Design database and other programs and integrate with 1-2-3,[™] WordStar,[®] VisiCalc[®] and other popular IBM-compatible software.

Communications — is a powerful subsystem that allows you to send programs, data, or documents to another computer in the same office building (via cable connection), or to another computer anywhere in the world accessible by telephone.

The communications protocol is error-detecting and error-

correcting. No need to worry about interference or data corruption.

Virtually any data that can be created and stored using Data Design can be transmitted to any other computer also running Data Design.

You can even enjoy the speed and convenience of automatic dialing and answering, using your choice of auto-dial modems.

Now you're talking!

Data Design comes with all the backup you need.

The backup copy subsystem of Data Design does much more than simply duplicate your data:

- It lets you make a mirror image copy of your data in case a power failure or other disaster strikes, or in case you want to experiment without jeopardizing your original data.
- It lets you restore previously deleted rows to the backup copy tables — very handy if you happen to accidentally delete information.
- It lets you compress the database, freeing up your disk space.
- It can reconstruct all internal files, in case a catastrophe such as a power failure befalls you during processing.
- Finally, it lets you re-use a previously defined table and its forms, duplicating them without copying the data they contain.

Indeed, with Data Design, you get all the backup you need — *including ours*.

While we strive to produce quality products, we know that questions and problems sometimes arise. But rest assured, our technical service people are always as close as your telephone — and happy to give you all the answers you need.

Give us a call.



Technical Specifications

HARDWARE

128K RAM
2 Disk Drives
Hard Disk Support
1 Printer
80 x 25 line Monochrome or Color Adapter
MS-DOS for IBM-PC and 100-percent compatibles
(Compaq, Corona, Columbia)

SOFTWARE

General Features — Compatible with word processors, spreadsheets and other DBMS.
No sort required. Ordering is automatically maintained.
Full help screen support throughout system.

Table

40 fields per file
79 characters per field text
16 digits per field (double precision) numeric
32,767 records per file

Forms

80 x 24 line forms
26 forms per file
40 fields consisting of combination of calculated and data fields (up to 39 calculated fields possible). Add, subtract, multiply, divide, and exponentiation operators.
26 index fields per form, up to 3 fields in composite index.
Automatic indexing during *and* after data entry.
Word processing file document, access from forms.
Two-level password protection (read, modify).

Backup Restoration

Purge all data
Backup in place (hard disk)
Reconstruct after power failure
Restore deleted records
Backup to another volume

Input

Editing during data entry through a form.
Automatic entry of calculated fields without operator help.
Automatic ordering upon data entry without sorting.

Browse

Add, delete, search, enter new record at any time.
In-place modification of data.
Two-level password protection (read, modify).
Automatic re-calculation of form formulas.
Forward and backward scan in multiples of 1, 10, and in order by any index.
Automatic post-indexing of database *after* it has been created whenever a new index is selected.

Print

6 heading lines.
4-up multiple form printing (limited to 80 columns)
Maximum, minimum, total, average, and count statistics.
Printing in order by any one of the 26 indexes.
Selection of records on equal, not-equal, greater-than, and less-than conditions on any field screen and/or printer display.
Automatic posting (updating) to database from calculation in form.
Optional form mask or non-mask printing.

Import/Export

Transfer text, word processor, or spreadsheet data into database table.
Transfer database table data to text, word processor, or spreadsheet programs.

Phone

Auto-dial/auto-answer communications via direct connection or Hayes-style modem.
300 to 9,600 Baud rates.
Text and non-text files transferred.
Keyboard, disk, screen, and printer devices can be used as source/destination in a transfer.
Full duplex communication between two users while at their keyboards.



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